

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020269**Date Inspected:** 30-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC)**Location:** Shanghai, China

CWI Name:	N/A			CWI Present:	Yes	No	
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006			Component:	OBG Trial Assembly		

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) at Trial Assembly Areas

Segment 13CE (U-Rib to U-Rib)

This QA Inspector performed Dimension Control Inspection for measuring offset for the U-Rib to U-Rib from Cross Beam side towards Bike Path side at a total of 37 locations on Segment 13CE between Panel Points (PP) 123 to PP 123.5 at the following locations at Bay # 14:

The offset was measured within 50mm from the Deck Panel on U-Rib on the South and North side. The QA Inspector measured the Offset using 1(One) Meter Straight Edge.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Note: At location 13th and 27th location there is no U-Rib as per design.

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The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Segment 13CW (U-Rib to U-Rib)

This QA Inspector performed Dimension Control Inspection for measuring offset for the U-Rib to U-Rib from Counter Weight side towards Cross Beam side at a total of 37 locations on Segment 13CW between Panel Points (PP) 123 to PP 123.5 at the following locations at Bay # 14:

The offset was measured within 50mm from the Deck Panel on U-Rib on the South and North side. The QA Inspector measured the Offset using 1(One) Meter Straight Edge.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Note: At location 13th and 27th location there is no U-Rib as per design.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Bike Path at Bay # 1

This QA Inspector performed Dimension Control Inspection on the Traveler Rails.

The following check was performed on the Traveler Rail 9TR1-001.

Measured the overall length.

Measured the overall sweep.

Measured the thickness at typical section-Fixed End.

Measured the thickness at typical section-Sliding End.

Measured the Flange width at typical section-Fixed End.

Measured the Flange width at typical section-Sliding End.

Measured the depth at typical section-Fixed End.

Measured the depth at typical section-Sliding End.

Measure the Flange curl at typical section-Fixed End.

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Measure the Flange curl at typical section-Sliding End.

The QA Inspector measured the Mis-Alignment using 600mm Straight Edge, Carpenter Square and Measuring Tape.

Bike Path at Bay # 1

This QA Inspector performed Dimension Control Inspection on the Traveler Rails.

The following check was performed on the Traveler Rail 9TR1-002.

Measured the overall length.

Measured the overall sweep.

Measured the thickness at typical section-Fixed End.

Measured the thickness at typical section-Sliding End.

Measured the Flange width at typical section-Fixed End.

Measured the Flange width at typical section-Sliding End.

Measured the depth at typical section-Fixed End.

Measured the depth at typical section-Sliding End.

Measure the Flange curl at typical section-Fixed End.

Measure the Flange curl at typical section-Sliding End.

The QA Inspector measured the Mis-Alignment using 600mm Straight Edge, Carpenter Square and Measuring Tape.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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Inspected By:	Math,Manjunath	Quality Assurance Inspector
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Reviewed By:	Dsouza,Christopher	QA Reviewer
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